

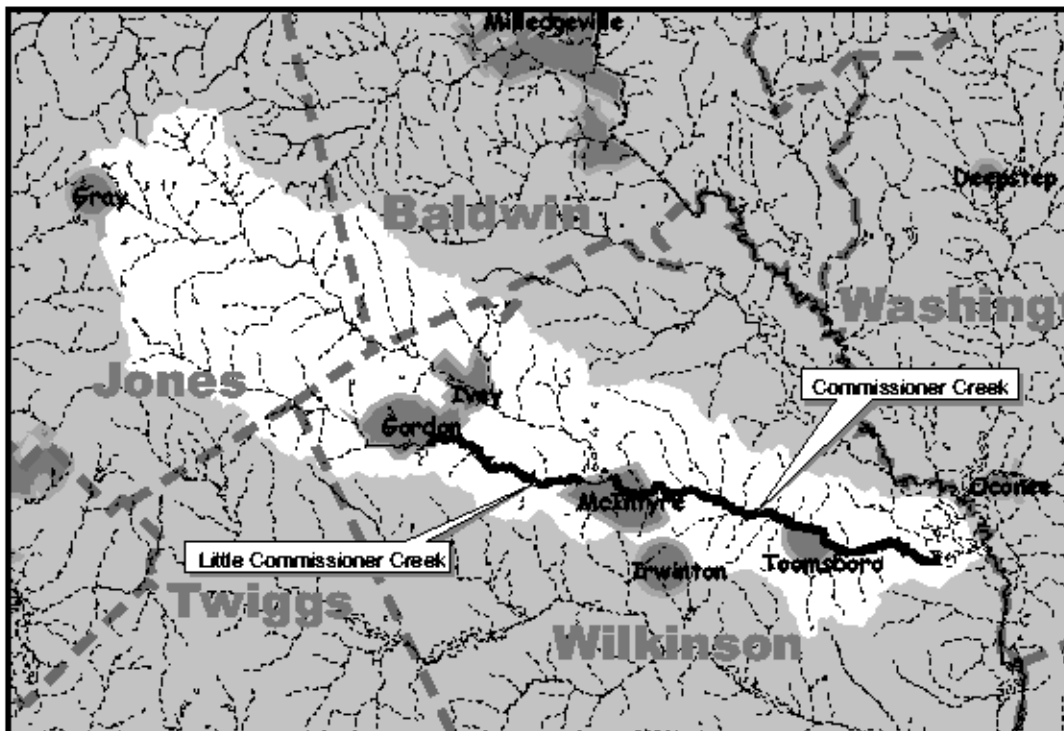
STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN

LITTLE COMMISSIONER CREEK
(Fecal Coliform)

Prepared by
The Georgia Department of Natural Resources
Environmental Protection Division
Atlanta, GA

TMDL Implementation Plans are platforms for establishing a course of actions to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies. The overall goal of the Plan is to define a set of actions that will help achieve water quality standards in the state of Georgia. This plan was originally prepared as an implementation inventory by the Middle Georgia RDC with a Section 604(b) Grant. TMDL load allocation information has been updated to reflect the approved TMDL.

HUC10 - 0307010205



| Impaired Waterbody* | Impaired Stream Location | River Basin | Miles/Area Impacted | Partially Supporting/ Not Supporting |
|---------------------------|---------------------------------|-------------|---------------------|--------------------------------------|
| Little Commissioner Creek | GA Hwy 18 to Commissioner Creek | Oconee | 9.0 | Partially Supporting |

**TMDL IMPLEMENTATION PLAN
For
FECAL COLIFORM BACTERIA
In
LITTLE COMMISSIONER CREEK
WILKINSON COUNTY, GEORGIA**

Developed by

Middle Georgia Regional Development Center

In Coordination with

Commissioner/Little Commissioner Creek Plan Advisory Committee

September 15, 2001

The preparation of this report was financed in part through a grant from the U.S. Environmental Protection Agency under the Provisions of Section 604(b) of the Federal Water Pollution Control Act, as amended.

Little Commissioner Creek Fecal Coliform Bacteria TMDL Implementation Plan

BACKGROUND

The stream segment under study is Little Commissioner Creek from Georgia Highway 18 to Commissioner Creek (see attached map) that covers approximately nine miles in Wilkinson County. Little Commissioner Creek has water classification of fishing, and its degree of impairment is listed as partially supporting. The Georgia Department of Natural Resources has prepared proposed TMDLs for selected streams in the Oconee River Basin including Little Commissioner Creek. Below is a summary of the allocation model from the TMDL document.

| | <u>Existing Load</u> | <u>Target Load</u> | <u>Needed Reduction</u> |
|--|---|---|-------------------------|
| Point Source (NPDES Discharges) | 2.37×10^8 | 2.37×10^8 | 0% |
| Non-Point Sources | | | |
| Other Direct Sources | 2.47×10^{11} | 3.40×10^{10} | 86.2% |
| Surface Runoff | 2.88×10^{10} | 1.39×10^{10} | 51.7% |
| Overall | NA | 4.81×10^{10} | 82.6% |

To assist in its development of this TMDL Implementation Plan, the Middle Georgia RDC established the Commissioner/Little Commissioner Creek Plan Advisory Committee consisting of representatives from agriculture, forestry, local government, the private business sector, University of Georgia, Georgia State College and University, and major environmental organizations (see Appendix A). Several meetings of this Plan Advisory Committee were held to review the TMDL process and provide input into the plan document. In addition, major property owners along Little Commissioner Creek were notified of the impending TMDL and were asked to provide input during the comment period (see Appendix B). They will also be given an active role during the implementation phase of this process.

SOURCES CONTRIBUTING TO IMPAIRMENT

The TMDL document identified six possible non-point sources as contributing to the impairment. The first is wildlife depositing feces onto land surfaces where it can be transported during storm events to nearby streams. The second is from the illegal dumping of animal waste in streams. Third, while livestock graze, they deposit feces onto land surfaces where it could be transported during storm events to nearby streams. The fourth possible non-point source is from the misapplication of manure applied to pastureland and cropland. The failure of septic systems and illicit discharges of raw sewerage is the fifth possible non-point source. The final possible non-point source is from urban development; stormwater runoff, leaks and overflows from sanitary waste, runoff from improper disposal of waste materials, leaking septic systems, and domestic animals.

EXISTING REGULATORY/VOLUNTARY ACTIONS

In addition to a host of federal and state laws administered by various agencies, there are a number of important regulatory and voluntary actions currently being implemented to address the possible non-point sources noted above. They are:

- The NPDES Permits for the City of Gordon WPCP and Wilkinson County High School that establish average flow and fecal coliform loading limits.
- Wilkinson County has adopted the required Part V Environmental Ordinances, an on-site sewage management ordinance, and a soil and sedimentation control ordinance.
- The City of Gordon has adopted the required Part V Environmental Ordinances, a zoning ordinance, and a floodplain management ordinance.
- The City of McIntyre has adopted the required Part V Environmental Ordinances.
- The Wilkinson County Health Department administers septic tank regulations that require the review of septic tank plans on on-site inspections of new septic tanks.
- The Georgia Department of Natural Resources-Environmental Protection Division requires a General Storm Water NPDES Permit of construction sites disturbing five acres or more. The threshold will be reduced to one acre in 2003.
- The Georgia Department Natural Resources-Environmental Protection Division confined animal operations regulations require nutrient management plans, operator certification and BMP use.
- The Wilkinson County 4-H programs provide agricultural and natural resource education for youth.
- The University of Georgia Cooperative Extension Service, the Georgia Soil and Water Conservation Commission and the Natural Resources Conservation Service all are very active in preventing non-point pollution from agricultural operations, including livestock and dairy. This includes conducting educational programs, developing BMPs for these operations and providing technical and, at times, financial assistance to farmers for BMP implementation, and performing basic and applied research on new methods to control agriculture non-point pollution.
- The Georgia Forestry Commission operates a water quality program that includes the development of BMPs, BMP education programs, and BMP monitoring for compliance

RECOMMENDED REGULATORY AND VOLUNTARY MEASURES

Additional recommended regulatory or other measures that should be implemented to reduce the loads identified in the proposed TMDL are listed below:

- Adherence to BMPs and establishment of BMP criteria regarding buffers/setbacks along all perennial streams.
- Establishment of an Adopt-A-Stream program along Little Commissioner Creek.
- Establishment of partnerships with state and federal agricultural/forestry/wildlife agencies that will set mutual responsibilities on the monitoring of BMPs and NPDES permits, providing assistance to farmers, foresters and builders in implementing BMPs, providing educational programs to farmers, foresters and builders and the general public, and assisting with wildlife management.
- Establishment of partnerships between cities and counties in the Little Commissioner/Commissioner Creek watersheds to implement effective watershed protection programs.
- Application of DIRT II techniques by the local builder/developer community.
- Organization and implementation of education and outreach programs for the builders/developers and the general public.
- Adoption of ordinance by Wilkinson County giving the Health Department authority to inspect existing septic tanks and to make sure they are in good repair and have been recently cleaned.
- Establishment of regular testing of sanitary sewer mains for leaks and overflows and make repairs where necessary in the City of Gordon.
- Establishment of an education problem for hunters by the Georgia Department of Natural Resources-Wildlife Resources Division focusing on the proper disposal of animal and human waste.

SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES

Below is the schedule for the implementation of the management measures.

Year 1

- Form Stakeholders Group
- Organize Implementation Work and Identify Potential Funding Sources
- Identify Sources of TMDL Parameters
- Develop Management Programs to Control Runoff from Agriculture, Forestry, and Urban Uses and from Wildlife
- Organize and Implement Education and Outreach Programs
- Monitor and Evaluate Results
- Reassess TMDL Allocations
- Provide Periodic Status Reports on Implementation Process

Years 2-5

- Develop Management Programs to Control Runoff from Agriculture, Forestry, and Urban Runoff and from Wildlife
- Organize and Implement Education and Outreach Programs
- Detect and Eliminate Illicit Discharges
- Monitor and Evaluate Results
- Reassess TMDL Allocations
- Provide Periodic Status Reports on Implementation Process

Year 5

- Evaluate Additional Management Controls Needed
- Begin Process for Phase II

A total of 21 management controls and activities have already been implemented. Ten new management controls/activities are proposed in the five-year program.

MONITORING PLAN

In 1999, as part of its regular basin plan monitoring program, the Georgia Department of Natural Resources conducted stream monitoring on Little Commissioner Creek including assessing the presence of fecal coliform. The results of this stream monitoring effort showed that Little Commissioner was in violation of water quality standards only during the summer of 1999. The City of Gordon performed stream monitoring tests for fecal coliform as part of its NPDES permit requirements for its water pollution control plant.

Future monitoring will include the following:

- Department of Natural Resources-Environmental Protection Division-Fecal Coliform testing as part of its Basin Planning Program in 2004.
- Fecal Coliform testing as part of the NPDES permit for the City of Gordon WPCP.
- Stormwater turbidity testing for construction sites disturbing five acres or more (one acre beginning in 2003) as part of NPDES Stormwater Permit.
- Contractor and Little Commissioner Creek Adopt-A-Stream program conducting fecal coliform stream monitoring during each of next five years with the exception of 2004.

CRITERIA TO DETERMINE SUBSTANTIAL PROGRESS

The focus of the stream monitoring program will be determining if the regulatory and voluntary controls and the Best Management Practices that are in place have reduced the percentage of fecal coliform concentration and result in a categorical change in the degree of impairment (from partially supporting to supporting), thus delisting the stream from the 303 (d) list.

Monitoring will also be conducted on the number of regulatory/voluntary programs implemented, and the application of all necessary BMPs.

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Little Commissioner Fecal Coliform RIVER BASIN: Oconee
(STREAM) (PARAMETER) PLAN DATE: 9/15/01

| | | | | | |
|--|--|--|--|-------|--------|
| Prepared by: <u>Phil Clark</u> | | Or Prepared By: _____ | | | |
| <u>Middle Georgia</u> Regional Development Center | | Address: _____ | | | |
| Address: <u>175-C Emery Highway</u> | | City: _____ State: _____ | | | |
| City: <u>Macon</u> State: <u>GA</u> | | Zip: _____ e-mail: _____ | | | |
| Zip: <u>31217</u> e-mail: <u>pclark@mgrdc.org</u> | | Date Submitted to EPD: _____ | | | |
| Date Submitted to EPD: <u>9/15/01</u> | | Date Submitted to EPD: _____ | | | |
| General Information | | Significant Stakeholders | | | |
| Obtain this information from the TMDL document or other information. When completed, this document will be a self-contained report independent of the TMDL document. | | Identify local governments, agricultural organizations or significant land holders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups with a major interest in this water body. (See Appendices A and B.) | | | |
| TMDL ID (to be entered by EPD) | OCO0000018 | Name/Organization | | | |
| Water body name | Little Commissioner | Address | | | |
| HUC basin name | Oconee River | City | | State | |
| HUC number | 030701020504 | Phone | | | Zip |
| Primary county | Wilkinson | Name/Organization | | | |
| Secondary county | N/A | Address | | | |
| Primary RDC | Middle Georgia | City | | State | |
| Secondary RDC | N/A | Phone | | | Zip |
| Water body location | Ga. Hwy. 18 to | Name/Organization | | | |
| | Commissioner Creek | Address | | | |
| Miles or area impacted | 9.0 | City | | State | |
| Parameter addressed in plan | Fecal Coliform | Phone | | | Zip |
| Water use classification | Fishing | Name/Organization | | | |
| Degree of impairment | Partially supporting use <input checked="" type="checkbox"/> | Address | | | |
| | Not supporting use <input type="checkbox"/> | City | | State | |
| Date TMDL approved by EPA | January 2002 | Phone | | | Zip |
| Impairment due to | Point sources <input type="checkbox"/> | Name/Organization | | | |
| | Nonpoint sources <input checked="" type="checkbox"/> | Address | | | |
| | Both <input type="checkbox"/> | City | | State | |
| Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C | | Phone | | | Zip |
| | | | | | e-mail |

If more, add to comments on last page.

FORM B

SUMMARY OF ALLOCATION MODEL RESULTS FROM TMDL DOCUMENT (existing load, target TMDL, and needed reduction)

| EXISTING LOAD | TARGET TMDL | NEEDED REDUCTION |
|--------------------|--|------------------|
| 315 (counts/100ml) | 4.81×10^{10} (counts/30 days) | 82.6% |

I. IDENTIFY **NONPOINT SOURCE** CATEGORIES AND SUBCATEGORIES OR INDIVIDUAL SOURCES WHICH MUST BE CONTROLLED TO IMPLEMENT LOAD ALLOCATIONS:

List possible major nonpoint sources contributing to impairment including those identified in TMDL document.

| SOURCE | DESCRIPTION OF CONTRIBUTION TO IMPAIRMENT | RECOMMENDED LOAD REDUCTION (FROM TMDL) |
|------------------------|---|--|
| Wildlife | Deposits feces onto land surfaces where it can be transported during storm events to nearby streams; illegal dumping of animal verrea in streams. | N/A |
| Agricultural Animals | Livestock grazing – deposits feces onto land surfaces where it could be transported during storm events to nearby streams. Confined livestock operations – misapplication of manure applied to pastureland and cropland as a fertilizer. | N/A |
| Leaking Septic Systems | Failure of septic systems and illicit discharges of raw sewage. | N/A |
| Urban Development | Stormwater runoff, leaks and overflows from sanitary sewer systems, illicit discharges of sanitary waste, runoff from improper disposal of waste materials, leaking septic systems and domestic animals. | N/A |

II. DESCRIBE ANY REGULATORY OR VOLUNTARY ACTIONS INCLUDING MANAGEMENT MEASURES OR OTHER CONTROLS BY GOVERNMENTS OR INDIVIDUALS THAT SPECIFICALLY APPLY TO THE POLLUTANT AND THE WATERBODY FOR WHICH THE TMDL WAS WRITTEN, THAT WILL BE ACCOMPLISHED THROUGH RELIABLE AND EFFECTIVE DELIVERY MECHANISMS, AND THAT WILL HELP ACHIEVE THE LOAD ALLOCATIONS IN THE TMDL:

See the attachment for more instructions.

Existing or required regulatory actions

| RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY | NAME OF REGULATION/ORDINANCE | DESCRIPTION | ENACTED OR PROJECTED DATE (mm/yy) | STATUS |
|--|--|---|-----------------------------------|---------------|
| City of Gordon WPCP | NPDES Permit #GA0020397 | Avg. Flow - .75 mgd; Avg. FC Loading – 2.37 E + 08 | N/A | In Compliance |
| Wilkinson County High School | NPDES Permit #GA0031291 | Avg. Flow - .02 mgd; Avg. FC Loading – 6.95 E + 06 | N/A | In Compliance |
| Wilkinson County | Part V Environmental Criteria Regulations (wetlands, groundwater recharge areas, river corridor) | Protects the critically sensitive environmental areas identified by the Georgia Planning Act, 1989 | 10/17/00 | In effect |
| Wilkinson County | On-Site Sewage Management Ordinance | Provides for the coordination of the requirement for on-site installation of sewerage management systems. | 10/17/01 | In effect |
| Wilkinson County | Soil and Sedimentation Control Ordinance | Provides review of soil and sedimentation control plans for certain land-disturbing activities. | Original 11/95. Revised 4/01 | In effect |
| City of Gordon | Part V Environmental Criteria Regulations (wetlands, groundwater, recharge areas) | Protects critically sensitive environmental areas identified by the Georgia Planning Act, 1989. | 8/00 | In effect |
| City of McIntyre | Part V Environmental Criteria Regulations (wetlands, groundwater, recharge areas) | Protects critically sensitive environmental areas identified by the Georgia Planning Act, 1989. | 8/00 | In effect |
| Wilkinson County Health Department | New septic tank installation | Reviews plans for new septic tank installation to insure state and local regulations are met. On-site inspection of | N/A | In effect |

| | | | | |
|--------------------------------|--|--|-----------|-----------|
| | | new septic tanks to insure proper installation. | | |
| Georgia DNR/EPD | General Stormwater NPDES Permit | Requires NPDES Permit for construction sites disturbing 5 acres or more; 1 acre beginning 2003 | N/A | In effect |
| EPA/Army Corps of Engineers | Clean Water Act/Section 404 | Requires permit for dredge and fill activities in the lakes, rivers, perennial and intermittent streams, wetlands, sloughs and natural ponds. Requires normal forestry practices to adhere to BMPs and 15 baseline provisions for forest, road construction and maintenance and surveillance in the above waters in order to qualify for the silvaculture exemption from permitting process. | 1972/6-88 | In effect |
| U.S. Department of Agriculture | Federal Farm Bill | Prohibits landowners from converting forested wetlands to agricultural uses. | N/A | In effect |
| Georgia DNR – EPD | Georgia Water Quality Act | Makes it unlawful to discharge excessive pollutants (sediments, nutrients, pesticides, animal waste, etc.) into waters of State in amount harmful to the public. | 1964 | In effect |
| Georgia DNR | Georgia Planning Act | Authorizes Georgia DNR to develop standards to protect wetlands groundwater recharge areas, water supply watersheds, protected river corridors and mountains. | 1991 | In effect |
| City of Gordon | Zoning Ordinance | Regulates use, lot size, yard setbacks, etc. for the protection of the health, safety and general welfare of the citizens of Gordon. | 3/94 | In effect |
| City of Gordon | Floodplain Management Ordinance | Regulates development in the 100-year floodplain. | 5/98 | In effect |
| DNR – EPD | Concentrated Animal Feeding Operation Requirements | Regulates confined animal operations. Requires nutrient management plans, operator certification and BMP use. | 2000 | In effect |

Existing voluntary actions

| RESPONSIBLE ORGANIZATION OR ENTITY | NAME OF ACTION | DESCRIPTION | ENACTED OR PROJECTED DATE (mm/yy) | STATUS |
|---|---|---|--|---------------|
| Georgia Forestry Commission | Forestry Water Quality Program | Includes develop of BMPs, BMP education programs, and BMP monitoring for BMP compliance. | 1978; Manual updated 6/99 | In effect |
| University of Georgia – Cooperative Extension Service | Promotion of Soil and Water Conservation in Agriculture | Includes classroom instruction, basic and applied research, consulting assistance, preparation of comprehensive nutrient management plans, and information for nonpoint source water quality impacts. | N/A | In effect |
| Georgia Soil and Water Conservation Commission | Agriculture Nonpoint Source Management Lead Agency | Develops nonpoint source management programs and conducts educational activities to promote protection of land and water devoted to agricultural uses. | 1937 | In effect |
| Natural Resources Conservation Service | Financial/Technical assistance to farmers | Includes standards and specifications for agriculture BMPs. Implements Environmental Quality Incentives Program, Conservation Reserve Program, and Small Watershed Program. Conducts National Resources Inventory every five years. Provides web-based database application (Performance and Results Measurement System, PRMS). | N/A | In effect |
| Wilkinson County 4-H Programs | Agricultural Education for Youth | Provides agricultural and natural resource education for youth. | N/A | In effect |

Additional recommended regulatory or other measures which should be implemented to reduce the loads of the TMDL parameter

| ENTITY/ORGANIZATION RESPONSIBLE | NAME OF PROPOSED REGULATION/ORDINANCE/ OTHER | DESCRIPTION | ENACTED OR PROJECTED DATE (mm/yy) | STATUS |
|---|---|--|--|---------------|
| Wilkinson County/ Cities of Gordon, and McIntyre | Buffers/Setbacks along all perennial streams | Adhere to BMPs and establish BMP criteria. | 10/02 | Proposed |
| Wilkinson County/ Cities of Gordon, and | Establish partnerships with NRCS, Georgia | Set mutual responsibilities on the monitoring of BMPs and NPDES permits, provide assistance to | 10/02 | Proposed |

| | | | | |
|---|--|---|-------|---|
| McIntyre | Forestry Commission, University of Georgia Cooperative Extension Service, Soil and Water Conservation Commission, and Georgia DNR – Wildlife Resources Division. | farmers and foresters in implementing BMPs, provide education programs to farmers, foresters and the general public, and assisting with wildlife management. | | |
| Wilkinson County/ Cities of Gordon, and McIntyre | Establish partnerships with neighboring cities and counties. | Implement effective watershed protection programs. | 10/02 | Proposed |
| Georgia DNR – EPD | Georgia Adopt-A-Stream Program | Enlist volunteers to conduct visual surveys, biological monitoring and chemical testing and cleanup on impaired streams. | 6/02 | Proposed program on Little Commissioner Creek |
| Builders/Developers | DIRT II Techniques | Model and manage stormwater runoff from construction sites with Little Commissioner Creek watershed that is located within 100 feet of Little Commissioner Creek and its tributaries. | 1/03 | Proposed |
| Wilkinson County/ Cities of Gordon, and McIntyre | Builder/Developer Education | Hold workshops and other forums to discuss the General Stormwater NPDES Permit for construction activities, DIRT II techniques, and other innovative techniques to protect sensitive natural resources. | 10/02 | Proposed |
| Wilkinson County/ Cities of Gordon, and McIntyre | Public Education | Hold public information and education meetings on water quality issues; groundwater recharge areas protection, river corridor protection, wetlands protection, water conservation, erosion and sedimentation control, repairing leaky septic tanks and properly maintaining septic tanks, controlling domestic animals, and other nonpoint pollution control. | 10/01 | Proposed |
| Wilkinson County | Mandatory Inspection of Septic Tanks | Adopt ordinance giving Health Department the authority to inspect existing septic tanks to make sure they are in good repair and have been recently cleaned. Require residents to clean septic tanks on a regular basis. | 10/03 | Proposed |
| City of Gordon | Inspection and Repair of Sewer Mains | Regular testing of sanitary sewer mains for leaks and overflows and make repairs where necessary. | 10/01 | Proposed |

| | | | | |
|-------------------------------|------------------|--|-------|----------|
| DNR-WRD/Volunteer Instructors | Hunter Education | Proper disposal of animal and human waste. | 10/01 | Proposed |
|-------------------------------|------------------|--|-------|----------|

III. SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES OR OTHER CONTROL ACTIONS:

These must be implemented as expeditiously as practicable within five years of when the implementation plan is accepted by EPA.

| IMPLEMENTATION ACTION | YEAR 1 10/01-02 | YEAR 2 10/02/03 | YEAR 3 10/03-04 | YEAR 4 10/04-05 | YEAR 5 10/05-06 |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Form stakeholders group | X | | | | |
| Organize implementation work with stakeholders and local officials to identify remedial measures and potential funding sources | X | | | | |
| Identify sources of TMDL parameter | X | | | | |
| Develop management programs to control runoff including identification and implementation of BMPs (Phase I): | | | | | |
| Agriculture | X | X | X | X | X |
| Forestry | X | X | X | X | X |
| Urban | X | X | X | X | X |
| Wildlife Management | X | X | X | X | X |
| Organize and implement education and outreach programs | X | X | X | X | X |
| Detect and eliminate illicit discharges | | X | X | X | X |
| Evaluate additional management controls needed | | | | | X |
| Monitor and evaluate results | X | X | X | X | X |
| Reassess TMDL allocations | X | X | X | X | X |
| Provide periodic status reports on implementation of remedial activities | X | X | X | X | X |
| If needed, begin process for Phase II (next 5 years) and subsequent phases | | | | | X |

IV. PROJECTED ATTAINMENT DATE AND BASIS FOR THAT PROJECTION:

The projected attainment date is 10 years from acceptance of the implementation plan by EPA.

V. MEASURABLE MILESTONES:

- Number of management controls and activities already implemented 21
- Number of management controls and activities proposed in five-year work program 10

- Number of management controls and activities actually implemented in five-year work period _____(to be completed after 5 years)
- Stream sampled to identify areas of concern See monitoring plan
- Other _____
- Other _____

VI. MONITORING PLAN:

Monitoring data that placed stream on 303(d) list will be provided if requested.

Describe previous or current sampling activities or other surveys to detect sources or to measure effectiveness of management measures or other controls.

| ORGANIZATION | TIME FRAME | PARAMETERS | PURPOSE | STATUS |
|-----------------------|------------|----------------|---|---------------------------|
| DNR – EPD | 1999 | Fecal Coliform | Assess the presence of fecal coliform. | Violation in Summer 1999. |
| City of Gordon – WPCP | On-going | Fecal Coliform | To insure effluent meets NPDES Permit Requirements. | In compliance |

Describe any planned or proposed sampling activities or other surveys. (Scheduled EPD sampling can be found in the Basin Planning document.)

| ORGANIZATION | TIME FRAME | PARAMETERS | PURPOSE | STATUS |
|---|---------------------------|----------------------|--|----------|
| DNR-EPD | 2004 | Fecal Coliform | Basin Planning | On-going |
| City of Gordon | On-going | Fecal Coliform | To meet NPDES permit | On-going |
| Construction sites disturbing 5 acres or more | On-going | Stormwater Turbidity | To meet NPDES permit | On-going |
| Construction sites disturbing 1 acre or more | Begin 2003 | Stormwater Turbidity | To meet NPDES permit | Proposed |
| University of Georgia and/or other subcontractors | 6/02, 6/03, 6/05 and 6/06 | Fecal Coliform | Monitor and evaluate results of BMP implementation and impacts of effluent from Gordon WPCP plant, and Englehard Corporation outfalls. | Proposed |

| | | | | |
|----------------|------------------------|---|---|----------|
| Adopt-A-Stream | 6/02, 6/03, 6/05, 6/06 | Assist subcontractors with fecal coliform testing.. | Monitor and evaluate results of BMP implementation and impacts of effluent from Gordon WPCP plant and Englehard Corporation outfalls. | Proposed |
|----------------|------------------------|---|---|----------|

VII. CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE:

1. Monitoring Programs – The stream monitoring subcontractor along with Adopt-A-Stream Program, in coordination with the DNR – Water Protection Branch will conduct fecal coliform testing on Little Commissioner Creek annually except for 2004. In 2004, the Georgia DNR will conduct stream monitoring, which includes testing for fecal coliform. It is hoped that the annual testing will show a change in the classification of the stream, thus delisting the stream from the 303(d) list.
2. Regulatory Controls or Activities Installed (ordinances, laws, education programs) – Monitor the number of regulatory and voluntary programs implemented during the five-year period.
3. Best Management Practices Installed (agriculture, forestry, urban development) – Ensure all necessary BMPs are being implemented in the Little Commissioner Creek watershed.

APPENDIX A

LITTLE COMMISSIONER/COMMISSIONER CREEK PLAN ADVISORY COMMITTEE

Mr. Willis Allen, Supervisor
Central Ga. Soil & Water Conservation
District
3014 Heritage Road, Suite 1
Milledgeville, GA 31061

Mayor Jack Bache
P. O. Box 38
McIntyre, GA 31054

Mr. Duren Bell, Program Development
Coord.
UGA Cooperative Extension Service
P. O. Box 1017
Fort Valley, GA 31030

Mr. David Bennett, Deputy Executive
Director
Ga. Soil & Water Conservation Commission
P. O. Box 8024
Athens, GA 30603

Mr. Gary K. Brown, Agent
Wilkinson County Cooperative Extension
Srv.
P. O. Box 300
Irwinton, GA 31042

Mr. Joe Duckworth
Cattlemen's Association
299 Barrows Ferry Road
Milledgeville, GA 31061

Ms. Cornelia Byington
Water Commission Representative
133 E. Main Street
Irwinton, GA 31042

Mr. Brent Dykes
Ga. Soil & Water Conservation Service
3014 Heritage Route, Suite 1
Milledgeville, GA 31061

Mr. David Epps, Chief Ranger
Georgia Forestry Commission
9884 Highway 57
McIntyre, GA 31054
Mr. Charles Fraser, Agency Manager

Wilkinson County Farm Bureau
P. O. Box 230
Irwinton, GA 31042

Mayor Cyler D. Garner, MD
P. O. Box 387
Gordon, GA 31031

Mr. Fred Greene
Water Commission Representative
132 Pine Circle
McIntyre, GA 31054

Mr. Buford Helton
Water Commission Representative
2685 Highway 441
Irwinton, GA 31042

Ms. Vicki Horne
Water Commission Representative
P. O. Box 54
McIntyre, GA 31054

Ms. Dot Jordan
Water Commission Representative
P. O. Box 157
Danville, GA 31017

Mr. A. T. Land, Supervisor
Central Ga. Soil & Water Conservation
District
3014 Heritage Road, Suite 1
Milledgeville, GA 31061

Mayor Clyde Landrum
P. O. Box 67
Toombsboro, GA 31090

Mr. Thomas W. Lehman, Chmm.
Environmental and Product Safety Manager
Engelhard Corporation
P. O. Box 37, Hwy. 18 Spur
Gordon, GA 31031

Mr. Drew Marczak
The Timber Company

P. O. Box 1069
Watkinsville, GA 30677

Mr. Abit Massey, President
Georgia Poultry Federation
Box 763
Gainesville, GA 30503

Ms. Laura Mathis
Wilkinson County Manager
P. O. Box 161
Irwinton, GA 31042

Mr. Don Morse, Program Development
Coord.
UGA Cooperative Extension Service
1109 Experiment Street
Flynt Building, Room 227
Griffin, GA 30223-1797

Mr. Britt Parker, District Conservationist
100 N. Franklin Street, Room 117
Dublin, GA 31021

Mr. Ed Pederson, Agent
Wilkinson County Cooperative Extension
Svc.
P. O. Box 300
Irwinton, GA 31042

Cloyce Pittman
Water Commission Representative
P. O. Box 23
Allentown, GA 31003

Dr. Mark Risse, Extension Engineer
UGA Cooperative Extension Service
Driftmier Engineering Building
The University of Georgia
Athens, GA 30602

Dr. William Segars
State Water Quality Coordinator
College of Agriculture/Environmental
Sciences
University of Georgia
Plant Sciences Building
Athens, GA 30602

Mayor James Sheppard
148 Highway 243
Ivey, GA 31031

Dr. Robert Shulstead, Asst. Dean & Coord.
College of Agriculture/Environmental
Sciences
University of Georgia
Conner Hall
Athens, GA 30602

Mr. Dan Smith
Water Commission Representative
112 S. Lakeshore Drive
Ivey, GA 31031

Mr. Eanous Smith
Water Commission Representative
153 Sheppard Street
Toombsboro, GA 31090

Ms. Ellen Sutherland, Executive Director
Georgia River Network
427 Moreland Avenue, NE, Suite 100
Atlanta, GA 30307

Mr. Wayne Tankersley, District Agent
UGA Cooperative Extension Service
1109 Experiment Street
Flynt Building, Room 227
Griffin, GA 30223-1797

Mr. Larry Walker
Weyerhaeuser Real Estate Company
P. O. Box 238
Oglethorpe, GA 31068

Mr. Harold West
Georgia Forestry Commission
119 Highway 49
Milledgeville, GA 31061

Dr. Harriett Whipple
Georgia State College & University
P. O. Box 81
Milledgeville, GA 31061

Mr. Bill White
P. O. Box 8024
Athens, GA 30603

Mr. Larry Willingham, District Agent
UGA Cooperative Extension Service
P. O. Box 1017
Fort Valley, GA 31030

P. O. Box 387
Gordon, GA 31031

Mr. George J. Wynn
Water Commission Representative

APPENDIX B

MAJOR PROPERTY OWNERS ALONG LITTLE COMMISSIONER CREEK

Little Commissioner Creek - BIO, FC

Wilkinson County

Mayor Jack Bache
P. O. Box 38
McIntyre, GA 31054

Mary Alice Benson, Clerk
P. O. Box 67
Toombsboro, GA 31090

Caledonia Owens Partnership
P. O. Box 1600
Milledgeville, GA 31061

Hugh, Jr. and Kenneth Couch
113 Sitton Avenue
Gordon, GA 31031

Cindy Daniels, Clerk
P. O. Box 38
McIntyre, GA 31054

Englehard Corporation
Attn: Joe McKenzie
P. O. Box 37
Gordon, GA 31031

Mrs. J. M. Fountain
1555 Claymont Road
McIntyre, GA 31054

Mayor Cyler Garner
P. O. Box 387
Gordon, GA 31031

Fay Garner, Clerk
P. O. Box 387
Gordon, GA 31031

Mayor Clyde Landrum
P. O. Box 67
Toombsboro, GA 31090

Carlos and Deborah Layson
P. O. Box 589
Gordon, GA 31031
Richard Dupree Mason, Jr.,
et. al.
104 Walnut Drive
Cartersville, GA 31020

Phil Mills
136 N. Lakeview
Ivey, GA 31031

North American Timber
Corp.
Attn: Ben Schwanda
P. O. Box 1069
Watkinsville, GA 30677

Vivan P. Raines
Mary K. Eaves
P. O. Box 191
Beeman, GA 30110

Mayor James Sheppard
148 Highway 243
Ivey, GA 31031

Ira Lee Shinholster, Jr.
331 Ferriswood Road
Gordon, GA 31031

Verona Smith, Clerk
148 Highway 243
Ivey, GA 31031

Annette C. Stallings
154 Hummingbird Lane
Jackson, GA 30233

W. J. Stripling, et. al.
c/o William J. Stripling
1318 Claymont Road
McIntyre, GA 31054

City of Austin Police
Retirement
System Trustee
Attn: Wachovia Timberland
191 Peachtree Street, NE
Atlanta, GA 30303

Anne Knowles Walsh
1855 15th Street, NW
Winter Haven, FL 33881